## ISSUE SLIP STAPLE AREA (for additional cross references)

| POSITION                  | INITIALS | ID NO. | DATE      |  |  |  |  |  |
|---------------------------|----------|--------|-----------|--|--|--|--|--|
| FEE DETERMINATION         | NK       |        | 2/18/21   |  |  |  |  |  |
| O.I.P.E. CLASSIFIER       |          |        | 1-5/1-101 |  |  |  |  |  |
| FORMALITY REVIEW          | 412      | 56-916 | 03-12-01- |  |  |  |  |  |
| RESPONSE FORMALITY REVIEW |          |        | 1 7 7 .   |  |  |  |  |  |
| RESPONSE FORMALITY REVIEW |          |        |           |  |  |  |  |  |

## **INDEX OF CLAIMS**

| ~ | Rejected                   | N | Non-elected  |
|---|----------------------------|---|--------------|
| = | Allowed                    | 1 | Interference |
| _ | (Through numeral) Canceled |   | Appeal       |
| ÷ | Restricted                 |   | Objected     |

| . , |       |          |            |           | - Restricted U |          |            |          |          |          |          |            |       |          |          |           |          |          |          |          |           |          |          |          |          |     |               |            |          |  |          |                   |          |              |          |              |                |          |
|-----|-------|----------|------------|-----------|----------------|----------|------------|----------|----------|----------|----------|------------|-------|----------|----------|-----------|----------|----------|----------|----------|-----------|----------|----------|----------|----------|-----|---------------|------------|----------|--|----------|-------------------|----------|--------------|----------|--------------|----------------|----------|
| 1   | CI    | alm      | I          | Date      |                |          |            |          |          |          | ]        | Claim Date |       |          |          |           |          |          |          |          |           | 7        | С        | aim      | m Date   |     |               |            |          |  |          |                   |          |              |          |              |                |          |
|     | Final | Original | 2/15/1     |           | 2/11/d         | -        |            |          |          |          |          |            |       | Final    |          |           |          |          |          |          |           |          |          |          |          |     | Final         | Original   | ì        |  |          |                   |          |              |          |              |                | $\prod$  |
|     | -     | 2        | 7          | H         | 1              | +        | 1          | +        | ╁        | +        | +        | ╁          | -     | -        | 51       |           | ├        | ⊢        | ┢        | ╀        | L         | ├        | -        | ╀        | ├-       | -   |               | 101        | _        | _                                      | L        | L                 | L        |              |          | $\Box$       |                | L        |
|     | 100   | 3        | H          | 1         |                | +        | +          | +        | +        | ╁        | ╁        | +          | -     | $\vdash$ | 53       |           | ├-       | ┝        | ╁        | ╀        | -         | ├        | H        | -        | ⊢        | ┨   | -             | 102        | -        | <u> </u>                               | ┞        | -                 | ├-       | ₩            | ↓_       | L            | Ļ              | L        |
| ż   | 2     | 4        |            | H         |                | ╁        | +          | ╁        | +        | ╁        | ╁╌       | ╁          | 1     | $\vdash$ | 54       | 1         | ╁        | -        | -        | ┝        | ╁         | -        | ┝        | ╁        | -        | 1   | H             | 104        | -        | -                                      | $\vdash$ | ├-                | -        | <del>-</del> | ├-       | ⊢            | ₽              | ⊢        |
|     | 15    | (5       | 1          | 7         | 17             |          | 1          | 1        | T        | $\top$   | 十        | T          | 1     | r        | 55       |           | T        | ┢        | $\vdash$ | ļ -      | H         | T        |          | _        | 1        | 1   | H             | 105        | _        | -                                      | -        | $\vdash$          | $\vdash$ | H            | ╁        | ┢─           | ⊢              | ╁        |
| ÷   | 125   | 6        | ľ          | D         |                | Γ        |            |          |          | T        |          |            | 1     |          | 56       | 1         |          |          |          |          |           |          | Г        | $\vdash$ | T        | 1   | F             | 106        | $\vdash$ |  | <u> </u> | ┢                 | ┢        | ┝            | 一        | ┢            | ╁              | ├-       |
| <   | -     | Q        |            | 1         |                |          |            | 1        |          | L        |          |            | ]     |          | 57       |           | , 1      |          |          |          |           |          |          |          |          | 1   | Г             | 107        |          |  | Г        | 1                 | 10       | -            | DS.      | -            | <del>  -</del> | -        |
|     |       | . 8      | У,         | Ç         |                | -        | 13         | 15       |          | 2        | ·        | L          |       |          | . 58     | _         | 1        |          |          |          |           |          | ·        |          |          | ]   |               | 108        | ·        |  |          |                   | Y        | ~ ;          | 1.2      |              | 1              | T        |
| 1   |       | 9        | -          | -         | -              |          | L          | -        | ╁        | ↓_       | Ļ.       | Ļ.         | 1     | $\vdash$ | 59       | -         |          | ļ        | _        | L        | L         |          | _        | L        | Ļ        |     | L             | 109        |          |  |          |                   |          |              |          |              |                |          |
| Š., | 117   | 10<br>11 |            | Page 2    |                | 1 -      | 1.         |          |          | 1        | 1 :      | Ļ          |       |          | 60       |           |          | <u> </u> | ┡        |          | Ŀ         | -        | -        | ╙        | L        |     | L             | 110        | · .      | -                                      | Ŀ        | ┖                 | -        | -            |          | Ŀ            | L              |          |
|     | 激     | 102      |            | 6         | , N            |          | (1)<br>(1) |          |          |          |          |            | · Ř.  | ï.,      | 62       | <u> </u>  | 1.0      | 56       | -        | 4        | 1         |          | 1.5      | \$ ;     | -        |     | 5             | 111        | . :      | .*                                     | . (;     | ائي.              | 7        | 12.          | 1        | 179          | - 3            | 3".      |
| \$  |       | ΗŠ       |            | . 13      | 7.7            | 8        |            |          | +        | -        | +        | 1          | 4-    | $\vdash$ | 63       |           |          | - 4      | -        | 7,       | /\s\cdots |          | :        |          | -        |     | ┝             | 112<br>113 |          | _                                      | -        | Ŀ                 | -        | . :          |          | Ŀ            | _              |          |
| ì   | έi    | 7        | er<br>Pari | 海         |                | 15       | <i>i</i> , | 4        | ĝ.       | 3        | 3.34     | 1          |       | H        | 64       | <u></u> _ | 6.5      | 200      | (Agri    | 32<br>32 | 10        |          |          | -        |          |     | -             | 114        |          | 100                                    |          | 7.7               | -        | ш            | ,39      | - 1          | -              | -        |
| e,  |       | 15       | 3          | 11.       | -              | 2        |            | . 3      |          | 3        | 100      | 11.        | 10.00 | 1        | 65       | 1         |          |          | 3        |          | 4         | . *      | 10       | -        | H        | Ĭ., |               | 115        | y .      | يون.<br>                               | -        | 1                 |          |              |          |              | Н              | -        |
| ij  | 113   | 16.      |            | 14        |                | g.       | 1374       | 'n.      |          | 2)       | 1 1      | 12.        | 3 8   | 13       | 66       | -         | 5        |          | 1., *    | ,4°°     | .1.3"     | ···ŧ     | 5,1      | ٠,       | ┝        |     | -             | 116        | 4        | ÷-                                     |          | -                 | 3        |              |          | -            |                | F        |
| Ė   |       | ۲ą       | ٠.         | 15        | 74.            | ÷        |            |          |          |          |          |            | 100   |          | 67       | -         | -        |          | - 1      |          |           | •        | ).       |          |          |     | 7             | 117        | $\neg$   | . ×                                    |          | _                 |          |              |          |              |                | -        |
| Ĺ   |       | 18       | 14         | ię,       | 2.             | 77,      | 1          | Ŀ        |          |          | 1        |            |       |          | 68       |           |          | ٠        |          |          | 57        | _        | -        |          |          |     | -             | 118        |          | . '                                    |          |                   |          |              | $\Box$   |              |                |          |
| Š   | ¥.    | 19       | 37         | ×         | Š.             |          | 17         |          | ÷,       | _        |          | • •        |       | L        | 69       |           |          | ·        |          |          |           |          |          | 1.       |          |     | - 3           | 119        |          | 33                                     |          | 5                 |          |              |          |              |                |          |
| à   | 徽     | 30       | . 6        |           | Y'A            | (÷,      | 壁          | 3.5      | 3        |          | ٠,       | •          |       | · .      | 70       | . *       | -73      |          |          | 4        | 1.7       |          | 1,7      |          |          |     | 1             | 120        | Ç.)      | 35                                     | ξį       |                   | 1        | 13           | •        | 7            | 1,5            | -21      |
|     | 登る    | 21       | Ž.         | ,         | 45.            | À,       | #Z         |          | 3 2      | 1.1      | 1        |            |       | ٨.       | 71       |           |          |          | ٠,       | 2        | ,         | Ÿ        | .,       | 200      |          |     |               | 121        |          |  |          |                   |          |              |          | ÷            |                |          |
| 3   |       | 22<br>23 | Ŋ.         | 30        | λú             | 7.5      | .i.a.      | -        | <i>.</i> | 20       | 1.5      | 33         |       | 3,7      | 72       |           | 7        | 77       |          | 400      |           | Ž.       |          |          | •        |     |               | 122        | _        | ا ــــــــــــــــــــــــــــــــــــ | 26       |                   | 74       | 45           | _        |              |                |          |
|     | C.    | 24       | 2          |           | ্              | 1,       | Ŀ          |          | -        | 2        | l        |            |       | H.       | 73<br>74 | Ŀ         | _        | _        | _        |          |           | _        | 4        | 4        |          |     |               | 123        | $\dashv$ |  | _        | _                 | -        |              |          | 4            | -4             | _        |
|     | _     | 25       |            | -         |                |          | H          | H        | ┝        |          | $\vdash$ | Н          |       | <u> </u> | 75       | $\vdash$  |          | -        |          | -        | -         |          | -        | -        | _        |     |               | 124<br>125 | -        | -                                      | $\dashv$ | $\dot{\parallel}$ | -        | -            | $\dashv$ | -            | $\dashv$       | $\dashv$ |
|     |       | 26       | _          | H         | -              |          |            | $\vdash$ | -        | $\vdash$ | -        |            |       | -        | 76       | Н         |          | -        | $\dashv$ |          | -         | $\dashv$ | $\dashv$ | $\dashv$ | _        |     |               | 126        | +        | $\dashv$                               | $\dashv$ | -                 | -        | $\dashv$     | $\dashv$ | -            | $\dashv$       | $\dashv$ |
| ı   | _     | 27       | 16         |           |                |          | -          |          |          |          | 7        | ,          |       | H        | 77       | Н         | -        |          |          | $\dashv$ |           | $\dashv$ | -        | $\dashv$ | -        |     |               | 127        | ┪        | ┪                                      | $\dashv$ | $\dashv$          | ┪        | $\dashv$     | $\dashv$ | $\dashv$     | $\dashv$       | $\dashv$ |
|     |       | 28       | ,          | -         | -              | -        |            |          |          |          |          |            | -     | Н        | 78       | Н         | _        | _        | $\neg$   |          | $\neg$    | 7        |          | $\dashv$ | _        |     |               | 128        | 7        | ┪                                      |          | -                 | -        |              | 7        | 寸            | ᅻ              | ٦        |
|     | i.    | 29       |            |           |                |          |            |          |          |          |          |            |       |          | 79       |           | _        |          |          |          |           | T        |          | $\neg$   |          |     |               | 129        |          | ╗                                      |          |                   |          | $\neg$       | $\neg$   | ╗            | $\neg$         |          |
| 1   | - 1   | 30       |            | ·         |                |          |            |          |          |          |          |            |       |          | 80       |           | •        |          |          |          |           |          |          |          |          |     |               | 130        |          |  |          |                   |          | $\Box$       | $\Box$   | $\Box$       | $\Box$         |          |
| 1   |       | 31       |            |           |                |          |            |          | L        | _        |          | Ш          |       | L.       | 81       |           |          |          |          |          |           |          |          |          |          |     |               | 131        |          | $\Box$                                 |          |                   |          | ⊒            | $\Box$   |              | $\dashv$       |          |
| `   |       | 32       |            | :         |                |          |            | 7        | _        |          |          |            |       | L        | 82       | Щ         |          | _        | _        |          | _         | _        | _        | 4        |          |     | _             | 132        | _        | _                                      |          | _                 | _        | 4            | 4        | _            | _              | _        |
| 1   | _     | 33<br>34 | -          | Н         | -              | _        |            |          | _        |          | Ш        |            |       | <u> </u> | 83<br>84 | $\vdash$  | -        | _        | _        | 4        |           | $\dashv$ | 4        | 4        | _        |     |               | 133<br>134 | -4       | 4                                      |          | _                 | 4        | $\dashv$     | -+       | $\dashv$     | $\dashv$       | 긕        |
| ŀ   | _     | 35       | $\dashv$   | $\dashv$  | Н              | -        |            |          |          | $\vdash$ | Н        | Н          |       | -        | 85       | $\vdash$  | -        | $\dashv$ | $\dashv$ | $\dashv$ | -         |          | -        | -        | -        |     |               | 135        | $\dashv$ | $\dashv$                               | -        | -                 | $\dashv$ | -+           | $\dashv$ | +            | $\dashv$       | ᅱ        |
| ł   | 1     | 36       | -          | $\dashv$  | $\vdash$       | $\dashv$ | Н          |          | -        |          | Н        | $\dashv$   |       | H        | 86       | Н         | -        | $\dashv$ | -        | $\dashv$ | -         | -        | ᅱ        |          | $\dashv$ |     |               | 136        | +        | $\dashv$                               | ┪        | ┪                 | $\dashv$ | $\dashv$     | $\dashv$ | $\dashv$     | $\dashv$       | ᅱ        |
| İ   |       | 37       |            | $\exists$ |                | _        | - 3        |          | -        |          |          | $\dashv$   |       |          | 87       | $\vdash$  |          | $\dashv$ | $\neg$   | -        | ᅥ         | -        | 7        | 1        | -        |     |               | 137        | +        | ┪                                      | ┪        |                   | ᅥ        | 7            | 十        | 7            | 7              | ┨        |
| ľ   | 4     | 38       |            |           |                |          | ٠.         |          |          |          |          |            |       |          | 88       |           | ┪        |          | 寸        | ┪        | $\neg$    | 7        | 7        | 寸        | ᅥ        |     | $\neg$        | 138        | 7        |  | 1        | ╗                 | コ        | 寸            | ヿ        | 寸            |                |          |
| [   |       | 39       |            |           |                |          |            |          |          |          | П        |            |       |          | 89       |           |          |          | $\neg$   |          |           | $\neg$   | ヿ        | $\neg$   |          |     |               | 139        | I        |  |          |                   | $\Box$   | $\Box$       |          | $oxed{oxed}$ | $\Box$         |          |
| L   |       | 40       |            |           |                |          |            |          |          |          |          |            |       |          | 90       |           |          |          |          | Ī        |           |          |          | $\neg$   |          |     |               | 140        |          |  |          |                   |          | $\perp$      | $\Box$   | $\perp$      | $\bot$         |          |
| L   |       | 41       |            |           |                |          |            |          |          | ,        |          |            |       |          | 91       |           |          |          |          | T        |           |          | Ī        |          |          | Ī   |               | 141        | I        |  |          |                   |          | $\perp$      | $\perp$  | $\Box$       | $\perp$        |          |
| L   |       | 12       | $\Box$     |           |                |          |            |          |          |          |          |            |       |          | 92       |           |          |          |          |          |           |          |          |          |          |     |               | 142        | $\Box$   | $\Box$                                 | $\Box$   | $\Box$            | J        | $\bot$       | $\bot$   | 4            | 4              | _        |
| ╁   |       | 43       | 4          | _         |                | _        |            |          |          |          |          |            |       |          | 93       |           | _        | Ц        |          | $\perp$  | _         | _        |          | $\perp$  | _        |     | _             | 143        | 4        | 4                                      | _        | 4                 | _        | _            | _        | $\dashv$     | 4              | ᅴ        |
| ŀ   |       | 44       | 4          | _         |                | _        |            |          | Ш        | Ц        | Ц        |            |       |          | 94       | Ц         | _        | _        | _        | _        | 4         | _ļ.      | $\dashv$ | $\dashv$ | _        | ļ   |               | 144        | 4        | 4                                      | -‡       | 4                 | 4        | $\dashv$     | $\dashv$ | $\dashv$     | 4              | $\dashv$ |
| ŀ   | _     | 45<br>46 |            |           | 4              | -        | _          | $\dashv$ | Щ        | Н        | Щ        | ᅴ          |       |          | 95       | Ц         |          |          | -        | 4        | -         | -        | 4        | 4        | 4        | ļ   | $\rightarrow$ | 45         | +        | +                                      | -        | +                 | -+       | +            | +        | +            | +              | $\dashv$ |
| ł   | _     | 47       | $\dashv$   | -         | $\dashv$       | -        |            | $\dashv$ | -        |          | -        | $\dashv$   |       | _        | 96<br>97 | -         |          | $\dashv$ | 4        |          |           | +        | -        | -        | ᅴ        | ŀ   | _             | 46         | -}       | $\dashv$                               | -¦       | $\dashv$          | $\dashv$ | 十            | +        | +            | +              | $\dashv$ |
| ŀ   |       | 48       | -          | $\dashv$  |                | -        | _          | $\dashv$ | $\dashv$ | $\vdash$ | -        | $\dashv$   |       | H        | 97<br>98 | -         | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | +         | +        | +        | +        | $\dashv$ | ŀ   |               | 48         | +        | +                                      | +        | ┥                 | +        | +            | +        | +            | +              | $\dashv$ |
| ļ,  | _     | 49       | +          | $\dashv$  | -              | $\dashv$ | $\dashv$   | $\dashv$ | -        | Н        | $\vdash$ |            |       | H        | 99       | $\dashv$  | $\dashv$ | $\dashv$ | $\dashv$ | +        | +         | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | ŀ   | - +           | 49         | +        | 7                                      | +        | $\dashv$          | 7        | $\top$       | †        | $\top$       | _              | ゴ        |
| ľ   |       | 50       |            |           |                |          |            | _        |          |          |          |            |       |          | 100      | _         | ┪        | 7        | $\dashv$ | +        | +         | +        | $\dashv$ | +        | _        | t   | _             | 50         | $\perp$  | 1                                      | I        |                   | I        | ユ            | $\Box$   | $\Box$       | コ              |          |

If more than 150 claims or 10 actions staple additional sheet here

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